



## SAFETY DATA SHEET

### G1 SCRUBB TAROCCO

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name : G1 SCRUBB TAROCCO  
UFI : S360-80PP-M009-1TH3

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### 1.2.1. Relevant identified uses

Professional use.

###### 1.2.2. Uses advised against

No additional information available

##### 1.3. Details of the supplier of product safety information sheet

**Supplier** Orca Hygiene  
Blackhouse Circle,  
Blackhouse Industrial Estate,  
Peterhead, AB42 1BN  
+44 (0)1779 871945  
technical@orcahygiene.com

**Contact person** For content of safety data sheet: technical@orcahygiene.com

**Manufacturer** Orca Hygiene  
Blackhouse Circle,  
Blackhouse Industrial Estate,  
Peterhead, AB42 1BN  
+44 (0)1779 871945  
technical@orcahygiene.com

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1779 871945  
**National emergency telephone number** For the emergency services - the ambulance, police and fire services - Tel: 999 /  
When you need medical advice or treatment but it is not an emergency - Tel: 111

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2

H315

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Serious eye damage/eye irritation, Category 1 H318  
 Skin sensitisation, Category 1 H317  
 Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

: Danger

Contains :

: (R)-p-mentha-1,8-diene; d-limonene, Isotridecanol ethoxylated (8-EO), C9-11 PARETH-8

Hazard statements (CLP) :

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.

Precautionary statements (CLP) :

: P261 - Avoid breathing spray, vapours.  
P280 - Wear eye protection, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.**2.3. Other hazards**

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

| Name  | Product identifier   | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|--|--------|--|
| 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve substance with a Community workplace exposure limit | CAS-No.: 111-76-2<br>EC-No.: 203-905-0<br>EC Index-No.: 603-014-00-0<br>REACH-no: 01-2119475108-36 | 5 – 10 | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319      |
| C9-11 PARETH-8  | CAS-No.: 68439-46-3  | 1 – 5  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |
| Isotridecanol ethoxylated (8-EO)  | CAS-No.: 9043-30-5<br>EC-No.: 931-785-6  | 1 – 5  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318  |
| (R)-p-mentha-1,8-diene; d-limonene  | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-096-00-2                              | 1 – 5  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400 |

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Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Serious damage to eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **6.1.1. For non-emergency personnel**

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

#### **6.1.2. For emergency responders**

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

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## 6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| <b>2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (111-76-2)</b> |                       |
|---|-----------------------|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>                           |                       |
| Local name  | 2-Butoxyethanol       |
| IOEL TWA  | 98 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]  | 20 ppm                |
| IOEL STEL   | 246 mg/m <sup>3</sup> |
| IOEL STEL [ppm]   | 50 ppm                |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### **Appropriate engineering controls:**

Ensure good ventilation of the work station. Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent / minimise exposures and to report any skin problems that may develop.

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## 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses. EN 166

### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Disposable gloves. Wear suitable gloves tested to EN374

### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                         |
|---|-------------------------|
| Physical state                                  | : Liquid                |
| Colour  | : Clear, orange liquid. |
| Odour   | : Citrus                |
| Odour threshold                                 | : No data available     |
| pH  | : 12.5 – 12.9           |
| Relative evaporation rate (butylacetate=1)      | : No data available     |
| Melting point                                   | : Not applicable        |
| Freezing point                                  | : No data available     |
| Boiling point                                   | : No data available     |
| Flash point                                     | : No data available     |
| Auto-ignition temperature                       | : No data available     |
| Decomposition temperature                       | : No data available     |
| Flammability (solid, gas)                       | : Not applicable        |
| Vapour pressure                                 | : No data available     |
| Relative vapour density at 20 °C                | : No data available     |
| Relative density                                | : 1.01 – 1.04           |
| Solubility                                      | : No data available     |
| Partition coefficient n-octanol/water (Log Pow) | : No data available     |
| Viscosity, kinematic                            | : No data available     |
| Viscosity, dynamic                              | : No data available     |
| Explosive properties                            | : No data available     |
| Oxidising properties                            | : No data available     |
| Explosive limits                                | : No data available     |

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## 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
 Acute toxicity (dermal) : Not classified  
 Acute toxicity (inhalation) : Not classified

| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>                               |   |
|---|---|
| LD50 oral rat   | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| <b>2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (111-76-2)</b> |   |
| LD50 oral rat   | > 470 mg/kg bodyweight  |
| LD50 oral   | > 1230 mg/kg bodyweight   |
| LC50 Inhalation - Rat (Vapours)   | > 5.2 mg/l/4h   |

Skin corrosion/irritation : Causes serious eye damage.  
 pH: 12.5 – 12.9

Serious eye damage/irritation : Causes skin irritation.  
 pH: 12.5 – 12.9

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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## 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| <b>2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (111-76-2)</b> |  |
|---|--|
| LC50 - Fish [1]   | 1550 mg/l  |
| EC50 - Crustacea [1]  | 1550 mg/l  |
| EC50 72h - Algae [1]  | 911 mg/l   |
| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>                               |  |
| LC50 - Fish [1]   | 720 µg/l Test organisms (species): Pimephales promelas   |
| LC50 - Fish [2]   | 702 µg/l Test organisms (species): Pimephales promelas   |
| EC50 - Crustacea [1]  | 0.307 mg/l Test organisms (species): Daphnia magna   |
| EC50 - Crustacea [2]  | 0.51 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]  | 0.32 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2]  | 0.214 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]  | 0.32 mg/l  |
| NOEC chronic fish   | 0.37 mg/l  |
| NOEC chronic crustacea  | 0.153 mg/l   |
| NOEC chronic algae  | 4 mg/l   |

### 2.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| <b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b> |           |
|---|-----------|
| BCF - Fish [1]  | 480 mg/kg |
| Partition coefficient n-octanol/water (Log Kow)       | 4.57      |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID            |
|---|---------------|---------------|---------------|----------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |                |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not applicable |
| <b>14.2. UN proper shipping name</b>    |               |               |               |                |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |                |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not applicable |
| <b>14.4. Packing group</b>              |               |               |               |                |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not applicable |
| <b>14.5. Environmental hazards</b>      |               |               |               |                |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not applicable |
| No supplementary information available  |               |               |               |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants



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Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | Safety Data Sheet   |
| STP                         | Sewage treatment plant  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |
| TLM                         | Median Tolerance Limit  |
| VOC                         | Volatile Organic Compounds  |
| CAS-No.                     | Chemical Abstract Service number  |
| N.O.S.                      | Not Otherwise Specified   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| ED                          | Endocrine disrupting properties   |

| Full text of H- and EUH-statements: |                                     |
|-------------------------------------|-------------------------------------|
| Acute Tox. 4<br>(Inhalation)        | Acute toxicity (inhal.), Category 4 |

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|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 3   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1         | Aspiration hazard, Category 1                                     |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3        | Flammable liquids, Category 3                                     |
| H226                | Flammable liquid and vapour.                                      |
| H302                | Harmful if swallowed.   |
| H304                | May be fatal if swallowed and enters airways.                     |
| H315                | Causes skin irritation.   |
| H317                | May cause an allergic skin reaction.                              |
| H318                | Causes serious eye damage.  |
| H319                | Causes serious eye irritation.                                    |
| H332                | Harmful if inhaled.   |
| H400                | Very toxic to aquatic life.                                       |
| H412                | Harmful to aquatic life with long lasting effects.                |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1B       | Skin sensitisation, category 1B                                   |

Safety Data Sheet (SDS), EU